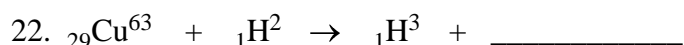
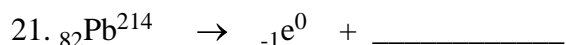
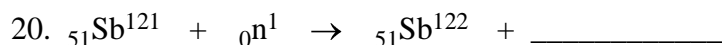
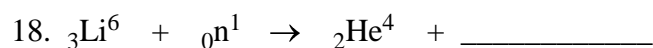
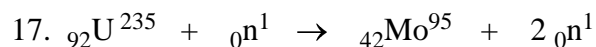
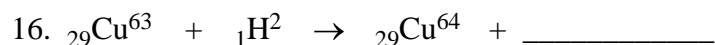
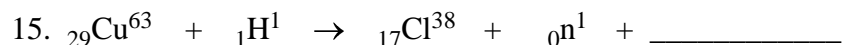
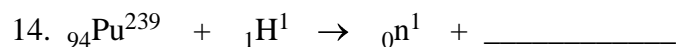
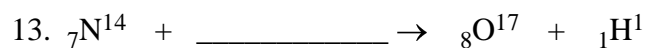
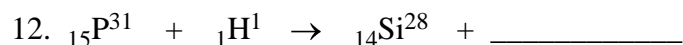
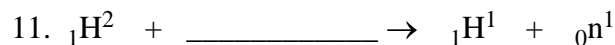
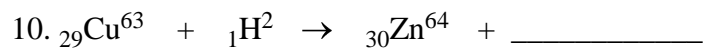
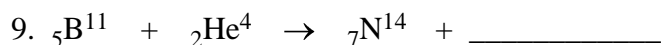
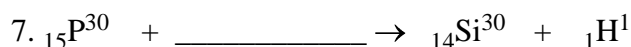
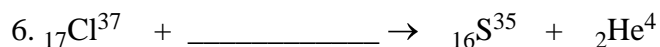
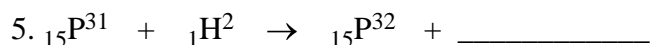
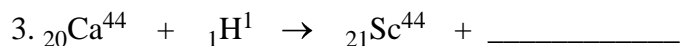
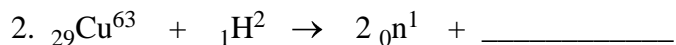
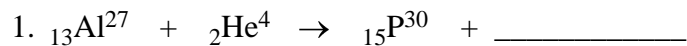


Name \_\_\_\_\_

## CHAPTER 22

Period \_\_\_\_\_ Date \_\_\_\_\_

### Nuclear Equations



23.  ${}_7\text{N}^{14} + \underline{\hspace{2cm}} \rightarrow {}_6\text{C}^{14} + {}_1\text{H}^1$
24.  ${}_3\text{Li}^6 + {}_1\text{H}^1 \rightarrow {}_2\text{He}^4 + \underline{\hspace{2cm}}$
25.  $\underline{\hspace{2cm}} \rightarrow {}_{93}\text{Np}^{237} + {}_2\text{He}^4 \underline{\hspace{2cm}}$
26.  ${}_1\text{H}^2 + {}_1\text{H}^2 \rightarrow {}_2\text{He}^3 + \underline{\hspace{2cm}}$
27.  ${}_{14}\text{Si}^{28} + {}_1\text{D}^2 \rightarrow {}_{14}\text{Si}^{29} + \underline{\hspace{2cm}}$
28.  ${}_4\text{Be}^9 + {}_2\text{He}^4 \rightarrow {}_3\text{Li}^6 + \underline{\hspace{2cm}}$
29.  ${}_{27}\text{Co}^{59} + {}_0\text{n}^1 \rightarrow {}_{27}\text{Co}^{60} + \underline{\hspace{2cm}}$
30.  ${}_{18}\text{Ar}^{40} + {}_1\text{H}^2 \rightarrow {}_{18}\text{Ar}^{41} + \underline{\hspace{2cm}}$
31.  ${}_7\text{N}^{14} + {}_2\text{He}^4 \rightarrow {}_1\text{H}^1 + \underline{\hspace{2cm}}$
32.  ${}_3\text{Li}^7 + {}_1\text{H}^1 \rightarrow {}_2\text{He}^4 + \underline{\hspace{2cm}}$
33.  ${}_4\text{Be}^9 + {}_2\text{He}^4 \rightarrow {}_6\text{C}^{12} + \underline{\hspace{2cm}}$
34.  ${}_{92}\text{U}^{239} \rightarrow {}_{-1}\text{e}^0 + \underline{\hspace{2cm}}$
35.  ${}_{16}\text{S}^{32} + {}_0\text{n}^1 \rightarrow {}_1\text{H}^1 + \underline{\hspace{2cm}}$
36.  ${}_{94}\text{Pu}^{239} + 2 {}_0\text{n}^1 \rightarrow {}_{-1}\text{e}^0 + \underline{\hspace{2cm}}$
37.  ${}_{89}\text{Ac}^{237} \rightarrow {}_{-1}\text{e}^0 + \underline{\hspace{2cm}}$
38.  ${}_{90}\text{Th}^{237} \rightarrow {}_{88}\text{Ra}^{233} + \underline{\hspace{2cm}}$
39.  ${}_{92}\text{U}^{235} \rightarrow {}_{90}\text{Th}^{231} + \underline{\hspace{2cm}}$
40.  ${}_{90}\text{Th}^{231} \rightarrow {}_{91}\text{Pa}^{231} + \underline{\hspace{2cm}}$